



## Human Resources

DATE POSTED: November 04, 2005

REQ. # 05-278

**NOTICE OF JOB OPENING  
ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS  
EQUAL OPPORTUNITY EMPLOYER**

2300 Virginia Avenue Fort Pierce, Fl. 34982 – 5652

Telephone (772) 462-1546 Jobline (772) 462-1967

<http://co.st-lucie.fl.us>

This position must be posted for at least five (5) working days from 11-04-2005 TO 11-10-2005,  
but will remain open until filled.

DEPARTMENT/DIVISION
<b>MOSQUITO CONTROL</b>

POSITION AVAILABLE
<b>ENTOMOLOGICAL INSPECTOR II</b>

# OF OPENINGS
<b>1</b>

STARTING SALARY
<b>\$11.08 / hour</b>

COMMENTS
<b>Driving Position</b>

VETERANS PREFERENCE
It is the policy of St. Lucie County to give preference to eligible veterans and spouses of veterans in appointment and retention in county employment positions in accordance with Chapter 295, Florida Statutes, and Chapter 22VP-1, Florida Administrative Code. Copies of Chapter 295 and Chapter 22VP-1 are available for review in the Human Resources Department.

**JOB CODE 863**  
**PAY GRADE 11**  
**SALARY: \$11.08 - \$17.37**  
**ENTOMOLOGICAL INSPECTOR II**

**MAJOR FUNCTION:** Technical work involving field inspections to locate, enumerate and control, mosquito and other nuisance arthropod populations.

**KNOWLEDGE, ABILITIES AND SKILLS NEEDED IN ORDER TO PERFORM THE ESSENTIAL JOB FUNCTIONS:**

**Knowledge:** Knowledge of mosquito biology and behavior. Knowledge of equipment and procedures used in an Integrated Pest Management (IPM) mosquito control program. Knowledge of Federal, State and Local laws governing mosquito control and pesticide applications and storage. Knowledge of rules of safe operation and handling of pesticides and equipment utilized for inspection, ground ULV application (fogging), and larviciding. Knowledge of data analysis. Knowledge of current research and Best Management Practices (BMP) for mosquito control. Knowledge of the standard equipment, tools, techniques and procedures used in mosquito and arthropod control.

**Abilities:** Ability to implement mosquito and other nuisance arthropod population abundance surveys through standard collection, enumeration and identification techniques. Ability to keep numeric records, and maintain records which are readily available, systematic and meaningful. Ability to understand and interpret the surveillance results. Ability to work with computers. Ability to understand and follow oral and written instructions, but must be able to work without supervision and be able to make decisions on use of pesticides in the field. Good physical condition. Ability to maintain an effective working relationship with the public and other employees. Ability to have sufficient physical strength and agility and freedom from disabling defects to perform manual labor (occasionally under adverse weather conditions). May perform other related work as needed or required.

**ESSENTIAL JOB FUNCTION:** Makes systematic checks of larval and adult populations of nuisance arthropods by performing daily inspections and collections. Operate and collect nuisance arthropod population and related information from various trapping methods such as; light traps, suction traps, truck traps, CDC traps, oviposition cups, resting boxes, emergence traps, making landing rate counts, reading thermometers, rain gauges, water level instruments, etc.. Is capable of keeping accurate records. While inspecting complaints from citizens, creates good public relations by accurate and polite explanations of mosquito-related problems. Applies insecticides safely, following label instructions. Is able to interpret the surveillance results and apply them to the daily adulticiding program. Is responsible for the placement of fish, predatory mosquitoes and other biological control agents at specific sites, and monitoring of the efficacy of treatments. Responsible for periodic investigation of numerous private sewage and wastewater facilities, and monitors mosquito production and institutes corrective action through operator contact, or regulatory intervention if necessary. Assists in entering field data into a computer for rapid analysis necessary for State mandated requirements. Collect, identify and enumerate adult mosquitoes. Performs related work as required.

**ESSENTIAL PHYSICAL SKILLS:** Physical strength and agility sufficient to perform inspection tasks under varying weather conditions and work exceptional hours during an emergency. Constant walking, standing, use of both hands and fingers, very frequent light lifting (30 lbs. or less), frequent heavy lifting (30+ lbs). Very frequent light carrying (30 lbs or less), reaching above the shoulders, kneeling, sitting, bending and squatting. Good hand/eye coordination and near and far vision. Good hearing.

**ENVIRONMENTAL CONDITION REQUIREMENTS:** Indoor duties are required for using a microscope, data processing and analysis, scheduling and various meetings. Frequent work outside under adverse weather conditions of cold, heat, humidity, rain, lightning, and perform duties in and around saltwater, etc...

**WORK HAZARDS:** Outside work is often in harsh environments such as swamps, ditch banks, orange groves, being subjected to long periods of high sunlight and high temperatures, and where mosquitoes, sandflies and other nuisance arthropods are abundant. Handling of pesticides and other chemicals is required and involves potential physical reactions per label and MSDS statements. Other hazards encountered may include snakes (some poisonous), spiders, wasps, ants, bees and toxic plants (poison ivy, etc.), which occur in natural environments. Normal hazards involved in use of electrically-operated traps, use of chain saws and other power tools.

**SAFETY EQUIPMENT USED OR NEEDED:** MSDS, Chemical Hygiene Plan, Chemical Spill Procedures Manual, helmet, gloves, goggles, wetsuit, respirators, earplugs, boots, dive boots, lifting belts, chaps and appropriate clothing protection.

**EDUCATION:** Graduation from an accredited high school or possession of an acceptable equivalency diploma, supplemented by courses in entomology, biology, etc. A comparable amount of training or experience may be substituted for the minimum qualifications.

**EXPERIENCE:** Three (3) years experience in mosquito control/entomology or related field. Experience in all phases of field and laboratory inspections. A comparable amount of training and experience may be substituted for the minimum qualifications.

**LICENSE, CERTIFICATION OR REGISTRATION:** Must have a Florida Public Health Pest Control license and possess a valid Florida driver's license (CDL, class A, B, C, or D) and maintain a good driving record.

Union ✓	Non-Union	Exempt	Non-Exempt ✓
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